2024 Departmental Research Day & Symposium
Thursday, May 9, 2024 • 7:40 a.m. – 4:30 p.m.
Interprofessional Education Building, 311 Trent Drive, Durham, NC

Presentations

7:40-8:05 a.m.  Continental Breakfast
8:05-8:10 a.m.  Welcome – Benjamin A. Alman, MD
8:10-8:22 a.m.  Clinical and Radiographic Outcomes Following Vantage Total Ankle Arthroplasty
Neil McGroarty, MD
8:22-8:34 a.m.  Advancing Health Equity Through Population Health, Policy, and Artificial Intelligence in Musculoskeletal Value-Based Care
Christian Pead, MD
8:34-8:46 a.m.  Association Between Muscle Balance and 3D Glenohumeral Morphology in Rotator Cuff Tear Arthropathy
Jay Levin, MD
8:46-8:58 a.m.  Precision Rehabilitation for Cardiometabolic Disease: of Mice and Humans
W. Todd Cade, PT, PhD, FAPTA
8:58-9:10 a.m.  Break
9:10-10:50 a.m. Symposium • "100 Years of Duke"
10:50-11:50 a.m. Poster Session I - Suite 1225
12:00-12:12 p.m. Younger Patients Undergoing Total Ankle Arthroplasty Experience Higher Complication Rates and Worse Functional Outcomes Scores
Albert Anastassio, MD
12:12-12:24 p.m. Building Pain Equity - A Population Health Approach
Flavia Penteado Kapos, DDS, PhD
12:24-12:36 p.m. Does Femoral Stem Design Influence Periprosthetic Fracture Incidence and Morphology in Total Hip Arthroplasty
Niall Cochrane, MD

12:36-1:20 p.m. Lunch
1:30-1:42 p.m. Uncovering Age-Associated Changes of the Neuroimmune Response During Peripheral Nerve Regeneration to Enhance Nerve Surgery
Neill Li, MD
1:42-1:54 p.m. ACL Reconstruction with Slope Reducing Osteotomy
Jason ‘Jake’ Long, MD
1:54-2:06 p.m. Associations of Vision Impairment with Cognitive Impairment Among Stroke Survivors in The Atherosclerosis Risk in Communities Study
Kimberly Hreha, EdD
2:06-2:18 p.m. Fasting and Fracture Healing
Kier Blevins, MD
2:30-2:40 p.m. Break
2:40-3:30 p.m. Poster Session II - Suite 1225
3:45-3:57 p.m. Intraoperative Cranio-Pelvic Traction: A Novel Technique for Correction of Neuromuscular and Syndromic Scoliosis
Patton Robinette, MD
3:57-4:09 p.m. Basic and Clinical Muscle Biology and Rehabilitation - from Molecule to Recovery
Leonardo Ferriera, PT, PhD
4:09-4:21 p.m. Clinical Outcomes of Nerve Wrapping in the Management of Compressive Neuropathies
Sneho Rao, MD
4:21-4:30 p.m. Poster Awards / Conclusion
4:30 p.m. Adjourn

Physicians & Allied Health Professionals: This live activity is designated as a jointly accredited activity for a maximum of 6.0 AMA PRA Category 1 Credit(s), ANCC, JA Credit—AH. Physicians and allied health professionals should claim only the credit commensurate with the extent of their participation in the activity.